


Control system for automatic transmission for road vehicle, allows switching of supplementary gearbox from high to low range while moving with given increase in engine speed during given time

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Inventor: ALTENKIRCH MANFRED (DE); STEGMANN ULRICH (DE); SCHMIDT REINER (DE); SCHREIBER WOLFGANG (DE); THEINERT MICHAEL (DE)
Applicant: VOLKSWAGENWERK AG (DE)
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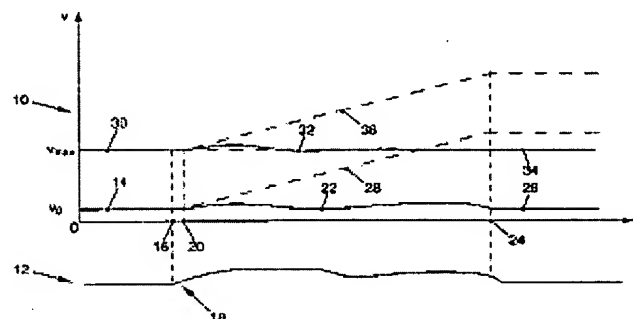
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Abstract of DE10246298

The control system allows switching of the supplementary gearbox from high to low range while moving at low speed (V_0) or high speed (V_{max}) with given increase in engine speed during given time. During the gear change, the engine speed is increased (28,36) from the high gear speed to the low gear speed during a given time period (16-24). A clutch is disengaged at a short time (20) after initiation of the gear change. Pressure may be applied to the vehicle brakes (18) to control vehicle speed (22,32) if the gear-change is made while descending an incline under engine braking.



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